

On the Electrochemistry of Fine-Pore Capillary
Systems III. Electrical Conductivity, by Gerhard
Schmid, Hans Schwarz.

GERMAN, per, Z fuer Elektrochem, Vol LV, No 4,
May 1951, pp 295-307.

*AEC

Sci - Chem

Apr 63

Anomalous Mixed Crystals in the System ZrO_2 - Y_2O_3 . The Crystal Structure of Nernst Rods, by F. Hund, 6 pp.

GERMAN, per, Z. Elektrochem, Vol LV, 1951, pp 363-366.

AEC Tr 2229

Assoc Tech Sv Tr 8206G

Scientific - Chemistry
CTS 73/Oct 1955

27,169

The Second Principle in Biology, by R. Haase.
GERMAN, per, Zeitschrift Fuer Elektrochemie,
Vol 55, No 6, 1951.
ACSI J-4463
ID 2204009268

Sci/B&H
Sept 68

366,666

Quantitative Treatment of the Permeability of
Membranes (An Expanded Theory). Part I, by
T. Teorell,

GERMAN, per, Z. Elektrochem, Vol LV, No 6, 1951,
pp 460-469.

ATS 448-GJ

Sci - Chem

123,350

Aug 60

The Second Fundamental Principle in Biology,
by R. Haase.
GERMAN, per, Zeitschrift fuer Elektrochemie,
Vol 55, No 6, Aug 1951,
*ACSI J-4463
ID 2204009268

Sci-B&M
Mar 68

Far Reaching Forces in Biology and Colloidal
Physics, by Gerald Oster.

GERMAN, per, Zeitschrift fuer Elektrochemie,
Vol 55, No 6, Aug 1951.

ACSI J-4462
ID 2204009168

Sci/B & M
Apr 68

356,557

Adsorption of High Polymers From Solution
by E. Jenckel, B. Rumbach.
GERMAN, per, Zeit fur Elektrochemie, Vol LV,
1951, No 7, pp 612-618.
SLA TT 64-20506

Sci
May 67

327,213

Triboluminescence in Arsenic, by I. N. Stranski,
E. Strauss, G. Wolff, 8 pp.

GERMAN, per, Z Elektro-Chem, Vol LV, 1951, pp
633-636.

AEC Tr SCL-T-46

Sci - Chem

Sep 58

73, 737

On the Electrochemistry of Finepore Capillary
Systems IV. Dialysis Potentials, by Gerhard
Schimid, Hans Schwarz.

GERMAN, per, Z. Elektrochem, Vol LV, No 8,
Dec 1951, pp ~~684-689~~.

*AEC

Sci - Electron, Chem
Dec 62

NRC-TT-1442 Uncl

THE ELECTROCHEMISTRY OF FINE-PORE CAPILLARY
SYSTEMS V. STREAMING POTENTIALS: DONNAN HIND-
RANCE OF ELECTROLYTE TRANSFER IN FLOWS. Sch-
mid, G.; Schwarz, H. Translated by D. A. Sinclair (National
Research Council, Ottawa), from Z. Elektrochem.; 56: No. 1,
35-44(1952). 30p.

chemistry (physical)

ND-4 NP RC

Unlimited

The Reaction of Carbon Oxysulfide With Alkali X
Cellulose, by K. Hess, H. Rotjahn, 8 pp.

GERMAN, z fuer Elektrochemie, Vol LVI, No 1,
1952, pp 58-61.

SIA 59-10149

Sci - Chem
Jul 59
OES I, 11

91,007

Anomalous Mixed Crystals in the System Cerium
Dioxide - Uranium Oxide, by F. Hund, R. Wagner,
U. Peetz, 8 pp.

GERMAN, per, Z. Elektrochem, Vol LVI, 1952,
pp 61-65.

AEC Tr ~~222~~ 2247
Assoc Tech Sv Tr 74G6G

Scientific - Chemistry
CTS 73/Oct 1955

27,864

The Problem of Single Electrode Potential, by
Hans Strehlow.

GERMAN, per, Zeitschrift fuer Elektrochemie, Vol 56,
No 2, 1952, pp 119-129.

CIA X-6796

Nov 68

353,519

Fluorite Phases in the System of Praseodymium Oxide - Uranium Oxide, by F. Hund, U. Pectz, 9 pp.

GERMAN, per, Z. Elektrochem, Vol LVI, 1952,
pp 223-228.

ABC Tr 2227

Assoc Tech Sv Tr 76G6G

Scientific - Chemistry
CTS 73/Oct 1955

27,139

Quantitative Measurements of Crystal
Structure Near the Surface, by
A. Kochendorfer, 12 pp.

GERMAN, per, Z. Electrochem, vol 56,
1952, pp. 283-294.

*Nat. Bur. Stand. TT 70-57876

Sci/phys
June 70

Phase Growth Controlled by Diffusion, by
H. L. Frisch.
GERMAN, per, Z fuer Elektrochemie, Vol LXVI,
No 4, 1952, pp 324-326.
BISI 3638

Sci - Chem
Jul 64

262,992

The Oriented Intergrowth of Crystals of Organic
Compounds as a Problem in the Chemistry of Molecular
Compounds, by J. Willems, 9 pp.

GERMAN, per, Z. Elektrochem, Vol LVI, No 4, pp 345-
350, 1952.

Assoc Tech Serv 29J15C

Sci - Chem
Agg 58

70,630

On the State of Adsorption of Foreign Molecules on
Conductive Surfaces, by R. Suhrmann, 40 pp.

GERMAN, per, Z Elektrochem, Vol LVI, No 4, 1952,
pp 351-360.

SLA 57-996

Sci - Chemistry
Oct 57

54,435

Adsorption of on Semiconductors, by P. Aigrain,
C. Dugas, 12 pp.

GERMAN, ~~see~~ Zeitschrift für Elektrochemie, Vol LVI,
No 4, 1952, pp 363-366.

CIA/FDD/X-1386

Scientific - Physics

Jul 54 CTS

16.130

The Vapor Pressure of Some Salts III, by Von Wartenberg and O. Bosse, 9 pp.

Full translation.

GERMAN: Z.

RUSSIAN, per, Zh. Elektrochem, No 28,
9 Apr 1952, pp 384-387.

AEC Tr 1204

Scientific - Chemistry

Participation of Phase-Boundary Reactions in the
Oxidation of Metals and Alloys at Higher Temperatures,
by K. Hauffe, H. Pfeiffer, 15 pp. UNCLASSIFIED

LVI

GERMAN, per, Zeit Electrochem, Vol XXX, No 4, 1952,
pp 390-398.

R.A.B. Farnborough Tr 455

Scientific - Minerals/Metals

Aug 54 CTS

17,483

Newer Investigations on Triboluminescence, by G. Wolff,
G. Gross, I. N. Stranski, 11 pp.

GERMAN, per, Z Elektro-Chem, Vol LVI, 1952, pp
420-428.

AEC Tr SCL-T-47

Sci - Chem

Sep 58

73, 738

Coordination Between Nuclei Formation and
Crystal Growth, by J. A. Christiansen, A. E.
Nielsen, 6 pp.

GERMAN, per, Zeit Electrochem, Vol LVI, 1952,
pp 465-467.

AEC Tr 2519

Sci - Chemistry

36, 777

Jul 1956

(CSR:Co/)

The Deposition of Silver and Manganese From
Mixtures of Molten Salts, by P. Drossbach, 27 pp.
GERMAN, per, Zeit Elektrochem, Vol 56, 1952,
pp 602-608.

AEC UCNL Tr-1291 (L)

327,965

Sci - Materials
Jul 67

TT-64-16555

Povenz, F.
CONCERNING THE INFLUENCE OF LIGHT ON
THE REACTION OF SO_2 AND Cl_2 ON PARAFFINIC
HYDROCARBONS. [Paper presented] at the Session of
the German Bunsen Society for Physical Chemistry
(no. 51) Lindau, 23 May 52. 7p
Order from SLA \$1.10

TT-64-16555

Trans. of [Zeitschrift für Elektrochemie (West
Germany)] 1952, v. 56, no. 8, p. 746-749.

I. Povenz, F.
II. Title: German...

(Chemistry--Organic, TT, v. 12, no. 3)

Office of Technical Services

Anodic Passivation and Depassivation of Lead in
Sulphuric Acid, by W. Feitknecht.

GERMAN, per, Z. fuer Elektrochemie, Vol LXII,
No 6-7, 1952, pp 795-803.

GB/55/841

Sci
Dec 62

Comparison of the Electromotive Force Series
in Various Solvents, by H. Strehlow, 20 p.

GERMAN, per, Zeitschrift fur Elektrochemie,
1952, Vol LVI, pp 827-833.

SLA 59-12031

Sci
Jan 60
Vol 2, No 8

105,587

Scholder, R.
CONCERNING COMPOUNDS OF 4 VALENT IRON
(Über Verbindungen mit 4 Wertigem Eisen). [1963]
[16p] 18refs
Order from SLA \$1.60

63-20246

Trans. in manuscript of Zeitschrift für Elektrochemie
(West Germany) 1952, v. 56, p. 879-882.

DESCRIPTORS: *Ferrates, *Manganates, *Chromates,
Chemical compounds, Intermetallic compounds,
Electrochemistry.

A report is given on the preparation of Ferrates (IV),
in connection with this, the results of investigations on
Manganate (IV) and (V), Chromate (IV) and (V) are
briefly given. Magnetochemical and x-ray graphic in-
vestigations are included.

(Chemistry--Physical, TT, v. 10, no. 10)

63-20246

I. Scholder, R.

Office of Technical Services

The Electrical Properties of TiO_2 and the Effect of
 CrO_2 Additions, by K. Hauffe.

GERMAN, per, Z. Elektrochem., Vol 56, 1952,
pp 937-944.

*NTIS/NBS TT 71-55128

Available NBS Only

June 71

Anomalous Mixed Crystals in the Thorium
Oxide - Uranium Oxide System, by F. Hund,
G. Niessen, 14 pp.

GERMAN, per, Z. Elektrochem, Vol LVI, 1952,
pp 972-979.

AEC Tr 2240
Assoc Tech Sv Tr 78060

Scientific - Chemistry
CTS 73/Oct 1955

27,857

The Effect of the Temperature of Reduction of
Nickel and Cobalt Compounds on the Catalytic
Properties of the Metallic Catalysts, by F. Lihl,
P. Zensch, 11 pp.

GERMAN, per, Z fuer Elektrochemie, Vol LVI, No 10,
1952, pp 979-985.

Assoc Tech Serv 67K260
9.95

Sci - Chem
OTS I, 4
Apr 59

85, 241

The Selective Behavior of Ion Exchanges^R, by H. Devel, et al, 11 pp.

For
GERMAN, Zeitschrift fuer Elektrochemie, Vol LVII, No 3, 1953, pp 172-176.

1092

S.L.A. Tr 2076/1956

Sci - Chemistry
Oct 56 CTS

40,099

Ionic Mobilities in Exchangers, by R. Schloegl.
GERMAN, per, Zeit fur Elektrochemie und Angew
Phys Chemie, Vol 57, No 3, 1953, pp 195-201.
NTC-69-13063-07D

Sci-Chem
Sept 69

391,686

Application of Ion Exchangers in Counterflow
Columns, by G. Dickel, G. Boehm. 21p
GERMAN, per, Zeitschrift fuer Elektrochemie,
Vol 57, No 3, 1953, pp 201-207.
SIA TT-66-10280

Sci-Chem
Sept 66

310,370

Schindewolf, U. and Bonhoeffer, K.-F.
DETERMINATION OF IONIC ACTIVITY BY USE OF
ION EXCHANGE MEMBRANES WITH AN APPLICATION
TO THE DEGREE OF DISSOCIATION OF
POLYPHOSPHATES. [1962] 10p.
Order from ATS \$16.25

ATS-71P58G

Trans. of Z[schrift für] Elektrochem[ie] (West
Germany) 1953, v. 57, no. 3, p. 216-221.
Trans. in French is available from SLA ml\$2.70,
ph\$4.80 as CRA-tr-A520, 4 Feb 59 [25]p.

DESCRIPTORS: *Ion exchange, *Solutions, Ionization,
Membranes, Phosphates, Polymers, *Dissociation.

For abstract see Technical Translations 2: 704, 1959.

(Chemistry--Physical, TT, v. 8, no. 1)

62-12829

- I. Schindewolf, U.
- II. Bonhoeffer, K.-F.
- III. ATS-71P58G
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

The Electrical Properties of tl Cl With Pb Cl_2 , by
K. Hauffe.

GERMAN, per, Z. Elektrochem., Vol 57, 1953, pp 248-250.

*NTIS/NBS TT 71-55115

Available NBS Only

June 71

Physico-chemical Investigations^S into the Properties,
and Fine Structure of Phosphate Glasses, by E. Kordes,

GERMAN, per, Z. Elektrochem, Vol LVII, 1953, pp
282-289.

ASLIB-OB105

Sci

Jul 59

92,654

Kordes, E., Vogel, W., and Peterowsky, Ruth.
PHYSIOCHEMICAL INVESTIGATIONS OF THE
PROPERTIES AND THE FINE STRUCTURE OF
PHOSPHATE GLASSES. [1960] 13p.
Order from ATS \$16.20

ATS-66M44G

Trans. of Zeitschrift für Elektrochemie (West
Germany) 1953, v. 57, no. 4, p. 282-289.

147 010

61-12422

- I. Glass--Properties
- I. Kordes, E.
- II. Vogel, W.
- III. Peterowsky, R.
- IV. ATS-66M44G
- V. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

(Materials--Ceramics, TT, v. 5, no. 5)

The Kinetics of Cellulose Xanthate Formation, by
H. Grotjahn, 25 pp.

GERMAN, per, Z Elektrochemie, Vol LVII, No 4,
1953, pp 305-317.

SLA 59-10150

Sci - Chem
Vol 2, No 1

97887

Determination of Diffusion Coefficients of
Some Ions in Aqueous Solution in the Presence
of Foreign Electrolytes, by M. V. Stackelberg,
M. Pilgram.

GERMAN, per, Zeits. für Elektrochemie, Vol 57,
pp 342-350, 1953 9229752
AEC AI-Tr-86

Sci-Plus
Nov 65

291,002

Absorption of $MnCl_4$ -Ion in Mixed Crystals of
Different Composition Investigated by the
Reflection Method, by G. Kortum, H. Schottler.

GERMAN, per, Z. für Elektrochemie, Vol LVII,
No 5, 1953, pp 353-361.

CSIRO 3677

Sci - Chem
May 62

198,466

Lattice Incorporation Polarization, by W. Lorenz,
7 pp.

GERMAN, per, Z. für Elektrochem, Vol LVII, No 5,
1953, pp 382-385.

ATS-67M10

ATC/969-GJ

190,248

Sci

Apr 62

Vol IV, No 6

The Rate of Crystallization and Phase
Boundary Temperature of Water, by
W. Kost.

GERMAN, per, Zeitschrift fur Elektrochemie,
Vol 57, No 6, 1953, pp 431-438.

*AEC 2291

Sci/Chemistry
Nov 65

A Multiplication Effect in the Enrichment of Germanium Isotopes in the Gas Centrifuge, by V. Faltings, S. Seehoffer.

GERMAN, per, Z Elektrochem, Vol LVII, 1953, pp 445-448. RLRS Report No. EP-4422-503-600.

~~SECRET~~

9076794

Res Lab, Engr Sci U of Va

Sci - Phys

HE C Tr - 4780

SLA-4-18294

May 61

150,986

The Separation of Tantalum, Titanium and Sodium
as Sodium-Lead Alloys From Fused Salt Mixtures,
by P. Drossbach, 23 pp.

GERMAN, per, Zeit fuer Elektrochemie, Vol LVII,
1953, pp 548-558.

A.E.R.E. Harwell Lib Tr 699

Sci - Chemistry
March 57 CTB/dex

44,475

Surface Layers of High-Melting Titanium Compounds,
by A. Münster, W. Ruppert. UNCLASSIFIED.

GERMAN, per, ~~ZEITSCHRIFT~~ Zeitschrift Fur Elektro-
chemie, Vol LVII, No 7, 1953, pp 564-571.

3249
Brutcher Tr No ~~324~~

Metals
Scientific - Min/~~REXX~~

17,363

X-Ray Investigations of Titanium Nitride and Titanium
Carbide Surface Layers, by A. Munster, K. Sagel

GERMAN, per, Zeitschrift für Elektrochemie, Vol LVII,
No 7, 1953, pp 571-579.

Brutcher Tr 3250

Scientific - Minerals/Metals
Jul CTS/DEX

Price \$9.40

15,973

Quantitative Cathode Ray Polarography, by K.
K. Cruse, W. Heberle, 18 pp.

GERMAN, per, Z Elektrochem, Vol LVII, 1953, pp
579-590.

AEC Tr 1837

Scientific - Chemistry
Jul CIB/DEX

16,477

Noddack, W. and Groesch, E.
ENERGY MEASUREMENTS IN THE EXPLOSION OF
PRIMERS. Mar 60 [11] p. 40 refs. Picatinny Arsenal
Trans. no. 72.

Order from IJC or SLA mi\$2.40, ph\$3.30 60-15611

Trans. of Zeitschrift für Elektrochemie (West
Germany) 1953, v. 57, no. 8, p. 632-636.

The energy-time curve of explosions and detonations
of several primers was observed by means of the
piezoelectric method. The temperature of the ex-
plosion was calculated, the maximum gas pressure
was measured, and the pressure and energy yields
were determined. (Author) (A lecture given at the
52nd Main Session of the German Bunsen Society for
Physical Chemistry in Duisburg on May 16, 1953)

(Engineering--Ordnance, TT, v. 5, no. 5)

60-15611

1. Primers--Blast
2. Explosions--Energy
- I. Noddack, W.
- II. Groesch, E.
- III. PA Trans-72
- IV. Joint Publications Research
Service, New York

147,046

Office of Technical Services

1-13-61

The Relation Between the Nernst Diffusion Layer
and the Prandtl Moving Boundary Layer, by
by W. Vielstich, - UNCLASSIFIED

GERMAN, ~~in~~ per, Z. Electrochem, Vol LVII, No 8,
1953, pp 646-655. _____

~~FRAS/STEX~~

A.E.R.E. Harwell,

11/3/5/437

OT/966

Scientific-Electricity

17,676

On the Determination of Critical Values
of Real Gases and Liquids and General Equation
of State of Saturated Vapors, by E. Kordes
15 pp.

GERMAN, per, Zeit fur Elektrochemie, Vol LVII,
No 8, 1953, pp 731-738.

Dept of Navy Tr 5032/ONI Tr 2237

Sci-Phys
Jan 67

k317,526

The Effect of a Gas Discharge on the Chemisorption
of Oxygen on Nickel Oxide, by H. J. Engell, K. Hauffe,
6 pp.

GERMAN, per, Z. Elektrochem, Vol LVII, 1953, pp
773-775.

SLA 58-514

Sci

Aug 59

95,129

Silver Bromide Photocells, by Hans Ammer, 87 pp.

GERMAN, per, Zeitschrift fuer Elektrochemie,
Vol LVII, No 9, 1953, pp 801-834.

SLA 50-17516

Sci
Jan 60
Vol 2, No 7

104,672

Contributions by Wilhelm Ostwald to the Physical
Chemistry of Electrobiological Processes, by U. F.
Franck, 25 pp.

GERMAN, per, Z Elektrochem, Vol LVII, No 10, 1953,
pp 883-889.

SLA 2536

Sci - Chemistry
Oct 57

54,469

A New Effect Observed in the Electrolytic Transport
Studies of Alloys, by W. Seith.

GERMAN, per, Z. Elektrochem., Vol 57, 1953, pp 891-900.

*NTIS/USDC/NBS TT 71-55095

Available NBS Only

May 71

New Effect in the Electrolytic Transfer in Solid
Alloys, by W. Seith, H. Manni Wever,

GERMAN, per, Zeit Elektrochem, Vol LVII, No 10,
1953, pp 891-900.

20,206

A/E.S.E. Barwell
Tr No 11/3/5/434
OT/1022

Scientific - Min/Metals

Dec 1954 CTS

Theory of Diffusion Potential and Ion Transportation in a Free Solution and Charged Membrane, by R. Schlögl.

GERMAN, per, Zeitschrift fuer Elektrochemie, Vol 58, 1954.

*ACSI J-4461

ID 2204009068

Sci-Chemistry
Mar 68

Alternating-Current Methods of Measurement in Electro-
chemistry, by Heinz Gerischer, 59 pp.

GERMAN, per, Zeits.fur Electrochemie, Vol LVIII, 1954,
pp 9-24.

AEC 57-1963
S.L.A. No 317/1956

Scientific - Chemistry

34, 322

SEA 57-1963

A New Method for the Preparation of Slit⁴cattering-free
low-Angle X-Ray Photographs, by O. Kratky, 9 pp.

GERMAN, per, Z Elektrochem, Vol. LVIII, 1954, pp 49-53.

SLA Tr 2850

Sci - Physics
Feb 58

59,555

On the Theory of Polarization Voltage in the Electrolysis of Fused Salts, by Paul Drossbach, 37 pp.

GERMAN, per, Zeits.fur Elektrochemie, Vol LVIII, 1954, pp 66-76.

Scientific - Chemistry

S.L.A. No 308/1956
HERE TO 700
34,326

TT-64-10434

Drossbach, Paul and Petrick, Paul.
CATHODIC LIMITING CURRENTS IN FUSED SALTS
(Kathodische Grenzströme in Geschmolzenen Salzen).
[1963] [18p] 4refs
Order from SLA \$1.60

TT-64-10434

Trans. of *Zeitschrift für Elektrochemie* (West
Germany) 1954, v. 58, p. 95-99.
Another trans. is available from SLA as I-140, 18p.

DESCRIPTORS: *Electrochemistry, *Fused materials,
Salts, *Lead compounds, *Cadmium compounds,
*Nickel compounds, *Copper compounds, *Silver com-
pounds, *Potassium compounds, *Chlorides, Elec-
trolysis, Electrical conductance,

The cathodic limiting current densities in the electrol-
ysis of $PbCl_2$, $CdCl_2$, $NiCl_2$, $CuCl$, and $AgCl$ in fused
mixtures with KCl + $LiCl$ were determined experi-
mentally. (Author)
(Chemistry--Physical, TT, v. 11, no. 11)

I. Drossbach, P.
II. Petrick, P.

Office of Technical Services

On the Determination of the Density of Melts and the Classification of Solids in non-Voluminous and Voluminous Solids at High Temperatures, by A. Knappwost, H. Restle, 24 pp.

GERMAN, per, Z. Elektrochem, Vol LVIII, No 2, 1954, pp 112-118.

SIA 57-2278

Jul 58

69,981

The Kinetics of the Photochemical Reduction of
Thionine, by M. Prestemer, 19 pp.

GERMAN, per, Zeitschrift fur Elektrochemie,
LVIII, 1954, pp 121-129.

29368

2-189

CIA/FDD/

Scientific - Chemistry

Dec 55 CTS/DEX

On the Theory of a High-Frequency Titrimeter
With a Frequency Indicator, by R. Nyber, K.
Gruse, 13 pp.

GERMAN, per, Zeit fuer Elektrochemie, Vol LVIII,
No 3, 1954, pp 155-161.

A.M.R.E. Harwell Tr 529

Sci - Electronics

37,687

Aug 1956

The Influence of the Gas Atmosphere and Compacting
Pressure on Reactions in the Solid State, by
G. Henrich, 30 pp.

GERMAN, per, Zeit fur ~~KERN~~ Elek, Vol LVIII, No 3,
1954, pp 183-196.

CIA/FDD/Z-163

28,616

Physics

Scientific - ~~Chemistry~~

Nov 55 CTS/DEX

Measurement of the Diffusion Coefficient of Metals in
Hg, by M. Stackelberg.
GERMAN, per, Z. Elektrochem, Vol 58, 1954, pp 226-230.
*NTIS/NBS TT 71-55142
Available NBS Only

June 71

The Electrical Field Within the Passive
Film of Iron, by K. J. ~~YETTER~~ Vetter.

GERMAN, per, Z. Elektrochem, Vol LVIII, No 4,
1954, pp 230-237.

A.E.R.E. Harwell
449 OT/1164

Sci - Electricity
CTS 75/Dec 55

29,356

Calculation of Adsorption Energies and Change-of-
Place Energies on Monocrystalline Surfaces of Metals,
19 pp.

GERMAN, per, Z Elektrochem, Vol LVIII, No 5, 1954,
pp 327-334.

SLA Tr 57-2832

Sci
Aug 58

MU/335

68,265

Measurements With the Field Emission Microscope
of the Surface Diffusion Coefficient and Place
Exchange Energies of Barium on Tungsten Single
Crystals, by M. Drechsler, 17 pp.

GERMAN, per, Z Elektrochem, Vol LVIII, 1954,
pp 340-345.

CSIRO
AEC Tr-4374

Sci - Phys
Apr 61

149,552

The Mechanism of the Oxidation of Nickel at Low
Temperatures, by K. Hauffe, B. Ilchner.

GERMAN, per, Z. Elektrochem, Vol LVIII, 1954,
pp 382-387.

AEC Tr 2478

36,263

Scientific - Chemistry; Min/Metals
Jul 56 CTS/dex

SLA 990/1756

States of Disorder and Transport Processes
in Ionic Crystals, by K. Hauffe, B. Ilshner

~~REXXXX~~ GERMAN, per, Z. Elektrochem, Vol LVIII,
1954, pp 466-477.

AEC Tr 2335
Assoc Tech Sv 94G7G

Scientific - Chemistry, electrochemistry
Jan 56 CTS

29,723

The Kinetics of Oxidation of Nickel at 400°C, by H. J. Engell, K. Hauffe, B. Ilchner.

GERMAN, per, Z Elektrochem, Vol LIV, 1954,
pp 478-482.

AEC tr 2365
ATS/967-GJ
Assoc Tech Serv
Tr 95G7R

Sci - Electricity, minerals/metals

30,898

Preferred Direction of Surface Diffusion on Single-Crystal Faces, by M. Drechsler, 18 pp.

GERMAN, per, Z Elektrochem, Vol LVIII, 1954, pp 334-339.

AEC T-4220

135,555

Sci - Chem
9 Jan 61
List 46

Diffusion of Noble Gases Produced by Fission in Uranium,
by K. Ye. Zimen.

GERMAN, per, Z. Elektrochem., Vol 58, 1954, pp 599-601.

*NTIS/USDC/NBS TT 71-55096

Available NBS Only

May 71

CEA-tr-A-863 Uncl.

PREPARATION ET UTILISATION DU LITHIUM ENRICHI
EN ^6Li ET DU LITHIUM ENRICHI EN ^7Li .
(Preparation and Utilization of Lithium
in Li^6 and Lithium Enriched in Li^7). A.
Klemm. Translated into French from Z.
Elektrochem., 58: 609-10(1954). 12p.

Chemistry; Isotope Separation; Translations
MC-22

C-22 NP NSA Dep.(mc)

The Preparation and Use of Concentrates of ^6Li
and ^7Li , by A. Klemm, 4 pp.

GERMAN, no per, Zeit fuer Elektrochemie, Vol LVIII,
No 8, 1954, pp 609-610.

A.B.R.E. Harvell Lib Tr 616

Sci - Chemistry
March 57 CTS/dex

44,472

New Results in the Isotope Separation of Heavy
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Order from SLA \$1.60

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DESCRIPTORS: *Water, *Organic solvents, *Infrared
spectroscopy.

The infrared spectra of water in 10 solvents are re-
corded in the fundamental and harmonic frequency
ranges, and different frequency and intensity changes
are noted in the spectrum of water as well as in those
of certain solvents. On the basis of these measure-
ments, it is possible to rank the solvents in order of
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